

## Adamantylalkylamin-Derivate und Verfahren zu ihrer Herstellung

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**Inventor:** KUMAR CHAKRABARTI JIBAN; FRIMLEY SURREY; HENRY CASHIN COLIN; SLOMO SZINAI STEPHEN

**Applicant:** LILLY INDUSTRIES LTD

**Classification:**

- **international:** C07C35/22

- **européen:** A61K31/13, C07C53/138, C07C53/44, C07C55/38, C07D295/02B3F, C07D239/42B1

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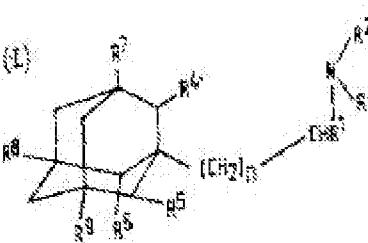
-  NL6913046 (A)
-  GB1274652 (A)
-  FR2016468 (A1)
-  CH553149 (A5)
-  CH551365 (A5)

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Abstract not available for DE1943404

Abstract of correspondent: **GB1274652**

1,274,652. Antidepressant &c. compositions. LILLY INDUSTRIES Ltd. 28 Oct., 1969 [27 Aug., 1968], No. 40968/68. Heading A5B. [Also in Division C2] Pharmaceutical compositions having anti- depressant, -Parkinsonism and -motion sickness and appetite suppressant activity comprise, as active ingredient, at least one 1-amino-alkyladamantane of the general formula wherein n is 1 or 2; R<sub>1</sub> is a hydrogen atom or a C 1-4 alkyl group or, when n is 1, R<sub>1</sub> and R<sub>4</sub> together form a methylene group; R<sub>2</sub> is a hydrogen atom or C 1-4 alkyl group or, when n is 1, a C 1-4 hydroxyalkyl or phenyl-C 1-4 alkyl group, R<sub>3</sub> is a hydrogen atom or a C 1-4 alkyl group or, when R<sub>2</sub> is a hydrogen atom, R<sub>3</sub> is an amidino, pyrimidinyl or C 1-4 alkyl- pyrimidinyl group, or NR<sub>2</sub>R<sub>3</sub> is a pyrrolidino, piperidino, N- C 1-4 alkylpiperazino or N-C 1-4 hydroxyalkylpiperazino group; R<sub>4</sub> is a hydrogen atom or chlorine atom or a phenyl group or, when n is 1, a bromine atom or cyclohexyl group; R<sub>5</sub> and R<sub>6</sub> are each a hydrogen atom or, when n is 1, a chlorine atom or phenyl group; provided that one of R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> is not a chlorine atom and the others are hydro- gen atoms or R<sub>4</sub> is not a bromine atom and R<sub>5</sub> and R<sub>6</sub> are hydrogen atoms, when R<sub>7</sub>, R<sub>8</sub> and R<sub>9</sub> are hydrogen atoms, R<sub>10</sub> is a hydrogen atom or a C 1-4 alkyl group, one of R<sub>11</sub> and R<sub>12</sub> is a hydrogen atom and the other is a C 1-4 alkyl group and n is 1; R<sub>13</sub>



is a hydrogen or bromine atom or a hydroxyl or -  
(CH<sub>2</sub>)<sub>n</sub>-CHR<sub>1</sub> <SP>1</SP>-NR<sub>2</sub>  
<SP>2</SP>R<sub>3</sub> <SP>3</SP> group, wherein n  
is 1 or 2 and R<sub>1</sub> <SP>1</SP>, R<sub>2</sub> <SP>2</SP>  
and R<sub>3</sub> <SP>3</SP> are each a hydrogen atom  
or a C 1-4 alkyl group, or, when n is 1,  
R<SP>7</SP> is a methyl group; and  
R<SP>8</SP> and R<SP>9</SP> are each a  
hydrogen atom or, when n is 1, a methyl group;  
or pharmaceutically acceptable acid addition salt  
thereof, in association with a pharmaceutically  
acceptable carrier.

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